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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/023,051	12/17/2001	John David Schmidt	2316.1007USC2	5936

23552 7590 02/14/2002

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EXAMINER

NGUYEN, SON V

ART UNIT	PAPER NUMBER
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2839

DATE MAILED: 02/14/2002

#2

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
10/023,051

Applicant(s)
Schmidt et al.

Examiner
Son Nguyen

Art Unit
2839



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on _____
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirements.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892) 18) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) ☐ Notice of Informal Patent Application (PTO-152)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 20) ☐ Other: _____

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DETAILED ACTION

1. This application is a continuation of application number 09/231,736, filed 11/6/1998 and now is Patent No. 6,334,792.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2, 4-5, and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gentry et al. (US 5,399,107) and Vanden (US 5,674,093).

Gentry et al. discloses a modular jack connector [figures 1-7] with enhanced cross talk performance, the connector comprising:

- a plurality of first and second metallic spring contacts [19, 18], wherein each of contacts has a V shape and comprises a circuit board connection end, a first linearly longitudinal extending section, a main bend section, and a second longitudinal extending section [figures 4-5];
- a contact housing including a base having a divider extending from a top surface [42, figure 4]; and

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- a printed circuit board [22].

Gentry et al. discloses the instant claimed invention as discussed above except for the second longitudinal extending section of the first spring contact having two linear portions jointed at a bend portion.

Vanden discloses a reduced cross talk electrical connector [14, figure 3] comprising a housing [16], an insert [18], and a plurality of first and second metallic spring contacts [24, 22, figures 4 and 8], wherein each of the first spring contacts including a second longitudinal extending section [section between 46 and 52] and the second longitudinal extending section having two linear portions [sections 46 to 48 and 50 to 52] jointed at a bend portion [section between 48 and 50].

It would have been obvious to one having ordinary skill in the art at the time invention was made to modify the first spring contact of Gentry et al. to provide the bend of second longitudinal extending section as taught by Vanden for the purpose of canceling or reducing cross-talk between the signal contacts.

4. Claims 3 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gentry et al. and Vanden and Pepe (US 5,947,761).

Gentry et al. and Vanden discloses the instant claimed invention as discussed above except for the PCB defines a plane parallel to a x-z plane.

Pepe discloses an electrical connector [figure 2] having a PCB [12] defines a plane parallel to a x-z plane which is a plane parallel to a direction of a plug insertion.

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It would have been obvious to one having ordinary skill in the art at the time invention was made to modify the connector assembly of Gentry et al. to provide the PCB having the plane parallel to the direction of the plug insertion as taught by Pepe for the purpose of facilitate mounting the jack assembly in an available space with a limitation of height.

Conclusion

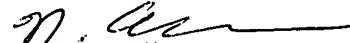
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son Nguyen whose telephone number is (703) 308-8745.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus, can be reach on (703) 308-3119. The fax phone number for this Group is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-1782.


Son Nguyen

February 9, 2002


NEIL ABRAMS
EXAMINER
ART UNIT 322